

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10. (Cancelled).

Claim 11. (Currently Amended) A communication apparatus for use in a CDMA communication in which plural users ~~each user~~ simultaneously transmit or receive data via plural physical channels assigned respectively to the users ~~uses the same radio frames of a fixed duration on a physical channel to transmit data~~, and the transmitted or received data of different users is divided between the different users by using different spreading codes allocated to respective users, the apparatus comprising:

forming means for forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information; and

mapping means for mapping the logical channel unit into one or more radio frames, each radio frame being of a fixed duration,

wherein the mapping means makes the number of the radio frames ~~of the fixed duration~~ on the physical channel into which the logical channel unit is mapped larger in a case where a transmission rate of the physical channel is low, than that in a case where the transmission rate is high, and

each of the radio frames comprises time slots, and the mapping means divides the logical channel unit for each time slot, and maps each of the divided portions of the logical channel unit into each time slot.

Claim 12. (Cancelled)

Claim 13. (Currently Amended) A communication method for use in a CDMA communication in which plural users ~~each user~~ simultaneously transmit or receive data via plural physical channels assigned respectively to the users ~~uses the same radio frames of a fixed duration on a physical channel to transmit data~~, and the transmitted or received data of different users is divided between the different users by using different spreading codes allocated to respective users, the method apparatus comprising:

a forming step of forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information; and

a mapping step of mapping the logical channel unit into one or more radio frames, each radio frame being of a fixed duration,

wherein the mapping step makes the number of the radio frames ~~of the fixed duration~~ on the physical channel into which the logical channel unit is mapped larger in a case where a transmission rate of the physical channel is low, than that in a case where the transmission rate is high, and

each of the radio frames comprises time slots, and

the mapping step divides the logical channel unit for each time slot, and maps each of the divided portions of the logical channel unit into each time slot.

Claim 14. (Cancelled)